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1976 JEEP Wagoneer OEM Service and Repair Workshop Manual

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Gap And Flush Dimensions

GAP AND FLUSH DIMENSIONS

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LONG WHEEL BASE (WL 75)

DIMENSION	DESCRIPTION	GAP	FLUSH
		Side to side within 2.2	
20	Spoiler to Liftgate Glass	2.0 +/- 1.8	—
21	Spoiler to Liftgate	3.5 +/- 1.1 Parallel within 1.5	Spoiler U/F 1.3 +/- 1.3 Consistent within 1.6
22	Spoiler to Roof	6.0 +/- 1.5 Parallel within 1.5	Spoiler U/F 3.4 +/- 1.5 Consistent within 1.5
23	C-Pillar Applique to Quarter Glass	0.0 to seal	Applique O/F 3.0 +/- 1.5 Consistent within 1.5
24	Front Door Applique to Rear Door Applique	4.0 +/- 1.5 Parallel within 1.5	Front O/F 0.2 +/- 1.5 Consistent within 1.5
25	Fender to Body Side Aperture	3.0 +/- 1.3 inboard Parallel within 1.3 Side to side within 1.3	Fender U/F 0.3 +/- 1.3 at inboard Transition to 1.4 at outboard Side to side within 1.3
26	Fender Wheel Flare to Fender	0.0 + 1.0	Flare U/F 0.2 +/- 1.0 Transition to O/F 2.5 at top
27	Fender Wheel Flare to Upper Fascia	0.0 +/- 1.0	Flare U/F 0.2 +/- 1.0 Transition to O/F 2.5 at top
28	Fender Wheel Flare to Lower Fascia	2.0 +1.5 /- 2.0 Parallel within 2.0	0.0 +/- 2.0
29	Fender Wheel Flare to Sill Molding	3.5 +/- 2.0	Flare O/F 0.1 +/- 2.0 at front Transition to U/F 2.2 at rear
30	Fender Wheel Flare to Front Door Lower Molding	5.6 +/- 2.0	Flare O/F 0.5 +/- 2.0 Transition to U/F 3.3 at rear
31	Front Door Lower Molding to Sill Molding	6.0 +/- 2.0	Door Molding U/F 1.1 +/- 2.3 at front

All measurements are in millimeters.

- **O/F = Over Flush**
- **U/F = Under Flush**
- **U/D = Up/Down**
- **F/A = Fore/Aft**

DIMENSION	DESCRIPTION	GAP	FLUSH
1	Hood to Upper Grill Bezel	8.0 at center +/- 1.5 at rings 8.5 at outboard pillar Parallel within 1.5	Grille U/F at rings 6.9 +/- 1.5 2.6 at outboard pillar Transition to O/F 1.0
2	Headlamp to Hood	7.4 at center +/- 1.9 Transition to 7.0 at outboard Parallel within 1.5	Headlamp O/F inboard 0.7 +/- 1.5 Transition to O/F 1.0 to 0.4 outboard
3	Headlamp to Upper Front Fascia Applique	1.5 +/- 1.2 U/D 2.0 +/- 1.5 Cross car	Applique O/F 2.2 +/- 1.0 at inboard Transition to 1.2 outboard
4	Windshield to Body Side Aperture	0.0 to seal 4.0 +/- 1.7 to glass	Aperture O/F 3.5 +/- 1.7 at bottom Transition to 3.2 at top
5	Hood to Fender	3.5 +/- 1.0 Transition to 5.4 at front incline Parallel within 1.0 Side to side within 1.0	Hood U/F 2.4 +/- 1.0 at center Transition to 1.7 at front to 0.0 at rear Consistent within 1.2 Side to side within 1.3
6	Windshield to Roof	0.0 to seal 4.0 +/- 1.7 to glass	Windshield U/F 2.0 +/- 1.7
7 (Single Pane Sunroof)	Sunroof to Roof	0.0 to seal at front and rear	Sunroof at front U/F 1.3 to 0.0 +/- 1.3

DIMENSION	DESCRIPTION	GAP	FLUSH
38	Rear Door Lower Molding to Rear Door	0.0 + 1.0 Parallel within 2.0	—
39	Rear Door Lower Molding to Sill Molding	6.0+/- 2.0	Door O/F 0.3 +/- 2.0 at rear 50
40	Rear Door Wheel Flare to Body Side Aperture Wheel Flare	5.5 +/- 2.0	Door O/F 5.0 +/- 2.0
41	Body Side Aperture Wheel Flare to Body Side Aperture	0.0 +/- 1.0	Flare O/F 2.8 +/- 2.0
42	Body Side Aperture Wheel Flare to Upper Fascia	0.0 +/- 1.0	Flare O/F 2.9 +/- 1.5
43	Body Side Aperture to Body Side Aperture Tail Lamp	1.5 +/- 1.1 Parallel within 1.2	Body Side Aperture O/F 1.3 +/- 1.0 at upper inboard Transition to 2.8 at upper front Transition to 1.5 at bottom
44	Light Bar Cladding to Liftgate	1.5 +/- 1.0	Fascia O/F 6.0 +/- 1.0 at rear Transition to 2.4 at front
45	Liftgate Applique to Liftgate Tail Lamp	1.5 +/- 1.4 Side to side within 1.5	Applique O/F 0.5 +/- 1.6 Transition to 1.0 Consistent within 1.5
46	Light Bar to Liftgate Tail Lamp	2.0 +/- 1.7	0.0 +/- 1.5
47	Liftgate Applique to Liftgate Glass	2.7 +/- 1.5 Transition to 3.0 at outboard Parallel within 1.5	Applique U/F 2.3 +/- 1.5
48	Upper Fascia to Liftgate	Cross car 4.0 +/- 1.5 Transition to 6.5 U/D Parallel within 1.5	Fascia O/F 9.6 +/- 1.5 at top

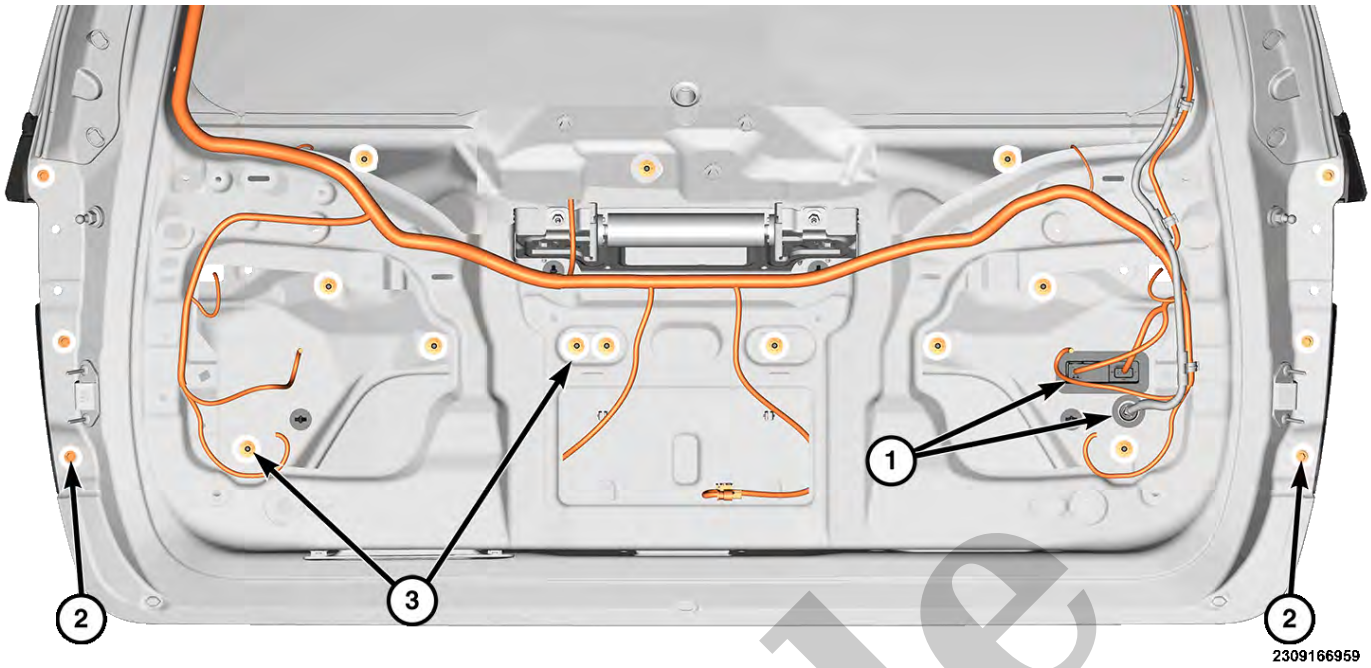
DIMENSION	DESCRIPTION	GAP	FLUSH
8 (Dual Pane Sunroof)	Front Sunroof Glass to Rear Sunroof Glass	0.0 to seal 2.5 +/- 1.0 to glass	Rear Glass U/F 1.6 0.0 +/- 1.3 Consistent within 1.0
9 (Dual Pane Sunroof)	Sunroof Seal to Roof at Rear	0.0 to seal	Sunroof 0.0 +/- 1.4
10	Liftgate Spoiler to Body Side Aperture	6.0 +/- 1.6 Transition to 7.0 at top	Spoiler U/F 1.2 +/- 1.5 at top Transition to O/F 1.0 at bottom
11	D-Pillar Applique to Quarter Glass Encapsulation	7.0 +/- 1.6	Applique O/F 3.5 +/- 1.5
12	Fuel Door to Body Side Aperture	2.5 + 0.5 Parallel within 1.0	Door U/F 0.9 +/- 0.9 Consistent within 1.0
13	Upper Rear fascia to Body Side Aperture	0.0 +/- 0.5	Fascia U/F 0.5 +/- 1.0 at top Transition to 0.0 at bottom
14	Body Side Aperture Wheel Flare to Lower Rear Facia	2.0 +1.5/-2.0 Parallel within 2.0	Fender O/F 0.5 +/- 2.0 Consistent within 2.0
15	Reyar Door to Body Side Aperture	4.0 /- 1.0 Parallel within 1.0	Door O/F 0.5 +/- 1.0 Transition to 0.0 at top Consistent within 1.0
16	Rear Door Wheel Flare to Rear Door Lower Molding	2.0 +/- 2.0 Parallel within 2.0	0.0 +/- 2.0
17	Front Door to Rear Door	4.0+/- 1.0 Parallel within 1.0	Front O/F 0.5 +/- 1.0 Transition to 0.0 at top Consistent within 1.6
18	Fender to Front Door	4.0 +/- 1.0 Transition to 4.3 at top Parallel within 1.0	Fender O//F 0.5 +/- 1.0 Transition to 0.0 at top Consistent within 1.5

DIMENSION	DESCRIPTION	GAP	FLUSH
51	Light Bar Cladding to Liftgate	1.0 +/- 1.0	Light Bar O/F 0.2 +/- 1.5
52	Light Bar Cladding to Upper Rear Fascia	4.1 +/- 1.5 Side to side within 1.5 Transition to 4.4 at top and bottom	Light Bar U/F 1.0 +/- 1.5 at top Transition to 5.0 at top and bottom
53	Light Bar Cladding to Liftgate Tail Lamp	1.5 +/- 1.4	Light Bar O/F 5.8 +/- 1.5
54	Body Side Aperture Tail Lamp to Liftgate Tail Lamp	4.0 +/- 1.5 Parallel within 1.5	Aperture Tail Lamp O/F 1.0 +/- 1.5 Consistent within 1.5

- Use a suitable body sealer on the hinge to body mating surfaces prior to installation.
- Place the liftgate hinge to the vehicle and loosely install the nuts under the headliner.
- Place the liftgate to the hinge and loosely install the bolts.
- Align the liftgate with the reference mark made previously and tighten to the proper torque specification.

TORQUE SPECIFICATIONS - LIFTGATE

DESCRIPTION	SPECIFICATION	COMMENT
Liftgate Ball Stud to Liftgate	**31 N·m (23 Ft. Lbs.)**	—
Liftgate Ball Stud to Body	**30 N·m (22 Ft. Lbs.)**	—
Liftgate Damper Bolts	**7 N·m (62 In. Lbs.)**	—
Liftgate Damper Nuts	**9 N·m (80 In. Lbs.)**	—
Liftgate Hinge Bolts	**18 N·m (13 Ft. Lbs.)**	—
Liftgate Hinge Nuts	**25 N·m (18 Ft. Lbs.)**	—
Liftgate Latch Bolts	**12 N·m (9 Ft. Lbs.)**	—
Liftgate Lightbar Nuts	**5 N·m (44 In. Lbs.)**	—
Liftgate Striker Bolts	**28 N·m (21 Ft. Lbs.)**	—
Spoiler Nuts	**7 N·m (62 In. Lbs.)**	—
Trough Lower Bolt	**48 N·m (35 Ft. Lbs.)**	—
Trough Upper Bolt	**48 N·m (35 Ft. Lbs.)**	—

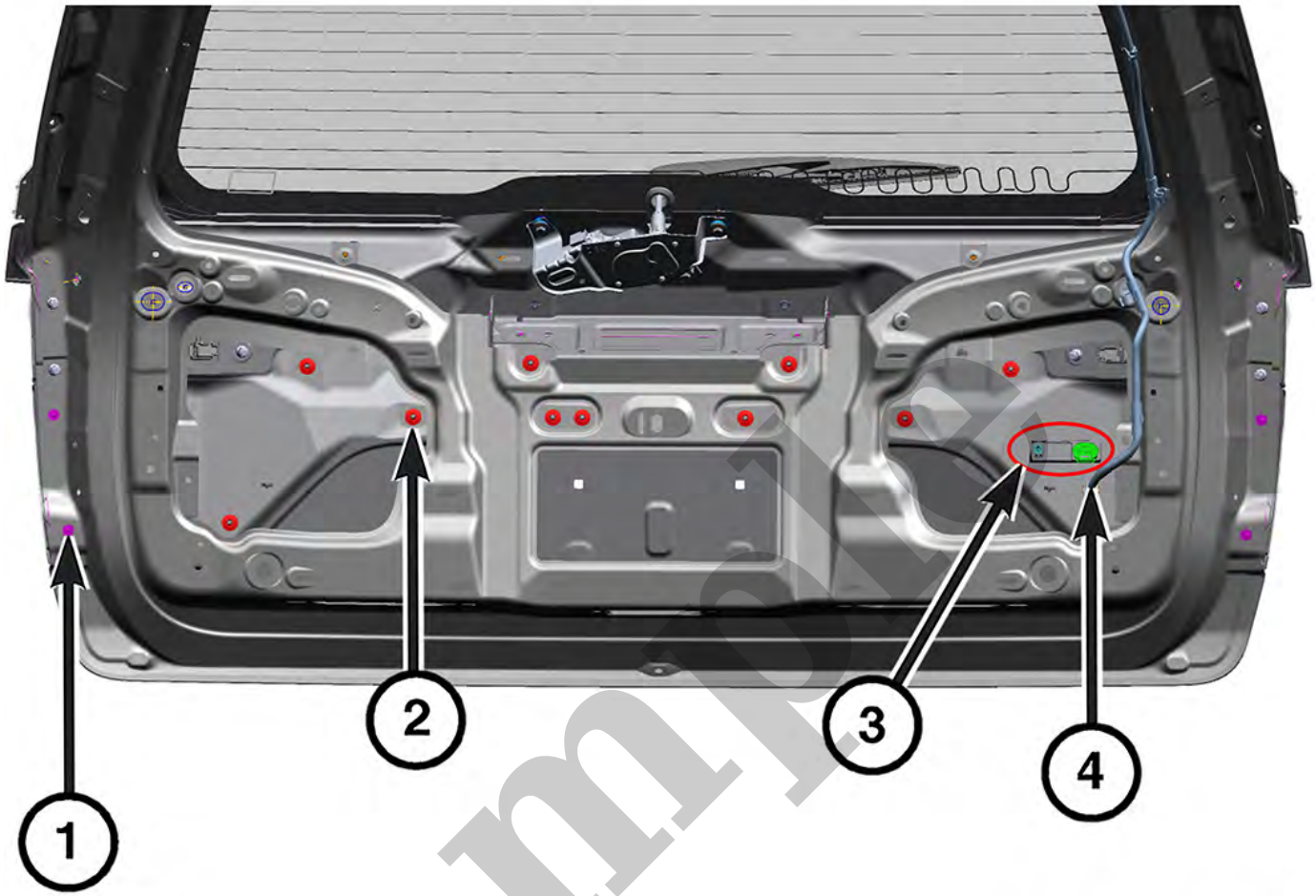


1 - Wire Harness Connectors
2 - Liftgate Lightbar Screws
3 - Liftgate Lightbar Nuts

6. Disconnect the wire harness connectors.

7. Remove the liftgate lightbar nuts.

8. Remove the liftgate lightbar screws from each side of the liftgate.



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1 - Lamp Bar to Liftgate Screws
2 - Lamp Bar to Liftgate Nuts
3 - Wire Harness Connectors
4 - Washer Hose

LAMP BAR REMOVAL

1. Disconnect the wire harness connectors and the washer hose from the lamp bar.
2. Remove the lamp bar screws and nuts from the liftgate.